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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Ullrich, et al.
Serial No. : 09/988,806
Filed : November 20, 2001
For : RECTANGULAR FRAME SYSTEM WITH ONE TO TWO DISCOID
RADIATION FILTERS AND A TANNING MODULE

February 19, 2002

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

PRELIMINARY AMENDMENT

In advance of prosecution, please amend the above-identified patent application as follows:

IN THE CLAIMS

Cancel claims 1-30, without prejudice and add the following claims:

31. Rectangular frame system with one to two discoid radiation filters for filtering the spectrum of a tanning radiator, with an upper plate, a lower plate and two to three marginal members wherein two marginal members lie opposite one another and the join the upper plate to the lower plate the upper plate having a first opening whose perimeter describes a circle, an

ellipse, a rectangle or a polygon, and the lower plate has a rectangular second opening, the second opening having a greater area than the first opening, and on the two oppositely lying marginal members, which border on the side of the frame system at which no marginal member is provided, at least two double spring clips are arranged such that between the lower plate and the double spring clips a first radiation filter is clamped.

32. Rectangular frame system according to claim 31, wherein the first radiation filter is an interference filter.

33. Rectangular frame system according to claim 31, wherein the first radiation filter is of rectangular shape.

34. Rectangular frame system according to claim 31, wherein the first radiation filter has a width and a length ranging from 215 mm to 240 mm.

35. Rectangular frame system according to claim 34, wherein the first radiation filter has a width of 225 mm and a length of 230 mm.

36. Rectangular frame system according to claim 31, wherein a second radiation filter is clamped between the upper plate and the double spring clips.

37. Rectangular frame system according to claim 36, wherein the second radiation filter is an ultraviolet filter or an infrared filter.

38. Rectangular frame system according to claim 37, wherein the second radiation filter is of rectangular shape.

39. Rectangular frame system according to claim 38, wherein the second radiation filter has a width and a length ranging from 215 mm to 240 mm.

40. Rectangular frame system according to claim 39, wherein the second radiation filter has a width of 225 mm and a length of 230 mm.

41. Rectangular frame system according to claim 31, wherein the double spring clips are arranged half-way between the upper plate and the lower plate.

42. Rectangular frame system according to claim 31, wherein the double spring clip is formed from at least one bent metal wire.
43. Rectangular frame system according to claim 42, wherein the double spring clip is shaped according to Figures 3 or rather 3a.
44. Rectangular frame system according to claim 31, wherein the double spring clip is formed from at least one flat spring plate.
45. Rectangular frame system according to claim 31, wherein the double spring clips are configured such that the first radiation filter can be inserted from the side of the frame system on which no marginal member is present, between the lower plate and the double spring clips.
46. Rectangular frame system according to claim 36, wherein the double spring clips are configured such that the second radiation filter can be inserted from the side of the frame at which no marginal member is present, between the upper plate and the double spring clips.
47. Rectangular frame system according to claim 31, wherein on the side of the frame system at which no marginal member is present a device is provided to prevent the one to two radiation filters from slipping back.
48. Rectangular frame system according to claim 31, wherein on the side of the frame system that is opposite the side on which no marginal member is present, a device is provided and/or a third marginal member to prevent the dropping out of the one to two radiation filters.
49. Rectangular frame system according to claim 36, wherein the first radiation filter has on its side facing away from the second radiation filter an imprint or an adhesive label.
50. Rectangular frame system according to 49, wherein the imprint or label has an opaque marginal area.
51. Tanning module with a housing, a tridimensional reflector disposed on or in the housing, and with a rectangular frame system according to claim 31, on one side of the housing, wherein the first radiation filter covers the radiation emitting area of the reflector and the lower plate faces away from the reflector.

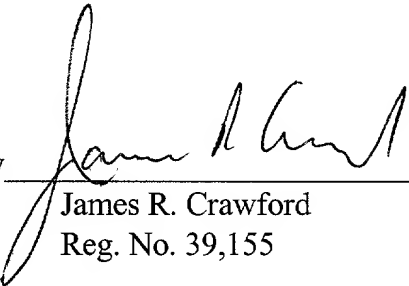
52. Tanning module according to claim 51, wherein the rectangular frame system can be released from the housing through a swivelling mechanism.
53. Tanning module according to claim 52, wherein the rectangular frame system is hooked into the housing.
54. Tanning module according to claim 53, wherein the rectangular frame system is hooked into an opening 23 according to Figure 8 in the housing.
55. Tanning module according to claim 52, wherein the rectangular frame system is fixed in position by means of a snap mechanism.
56. Tanning module according to claim 51, wherein a perimeter of the reflector parallel to the radiation emitting area describes a circle, an ellipse, a rectangle or a polygon.
57. Tanning module according to claim 56, wherein the reflector is formed of facets and the perimeter of the reflector parallel to the radiation emitting area describes a polygon with twelve corners.
58. Tanning module according to claim 57, wherein the reflector has a height of 90 mm to 95 mm, especially 93.6 mm, and the dodecagon has in the plane of the radiation emitting area a maximum diameter (corner to corner) ranging from 210 to 230 mm, especially of 210 mm.
59. Tanning module according to claim 57, wherein the reflector has a height ranging from 110 mm to 125 mm, especially of 118.7 mm, and the dodecagon has in the plane of the radiation emitting area a maximum diameter (corner to corner) ranging from 170 mm to 200 mm, especially of 184 mm.
60. Tanning module according to claim 57, wherein the reflector has a height ranging from 75 mm to 90 mm, especially of 83.3 mm, and the dodecagon has in the plane of the radiation emitting area a maximum diameter (corner to corner) ranging from 205 mm to 235 mm, especially of 220 mm.

REMARKS

Entry of this amendment is respectfully requested.

Respectfully submitted,

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